

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

CLEANUP AND ABATEMENT ORDER NO. 90 - 141

TRACOR AEROSPACE
BOLLINGER CANYON ROAD
SAN RAMON

and

CENTRAL CONTRA COSTA SANITARY DISTRICT
5109 IMHOFF PLACE
MARTINEZ

FINDINGS

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board) finds that:

1. The Central Contra Costa Sanitary District installed a leachline in Bollinger Canyon in 1967 to dispose of wastewater from septic tanks at existing developed property, Meinhardt & Beale (MB) Associates and a County Deputy Training facility.
2. MB Associates assembled and manufactured military weapons in Bollinger Canyon. MB Associates was acquired by Tracor Aerospace in 1981 and became known as Tracor/MBA, a wholly-owned subsidiary of Tracor. In 1987, Tracor/MBA became a division of Tracor Aerospace (Tracor).
3. Low levels of solvents including trichloroethene (TCE) and dichloroethene (DCE) have been detected in groundwater samples taken from monitoring wells recently installed near the leachline. TCE has also been detected at levels below the drinking water standards in a private drinking water well located near the leachline. Analyses of samples from this well in recent months have indicated non-detectable results for solvents.
4. Tracor is named as a discharger because they are the current property owner of a site where the solvents may have originated, and acquired the subsidiary company who originally used the leachline. Tracor has ceased discharging wastewater to the leachline and currently hauls wastewater to a CCCSD manhole.
5. CCCSD is named as a discharger because they own and operate the leachline pursuant to Resolution No. 797, adopted by the Board for the CCCSD in 1966 allowing waste discharge to the leachline. Operation of the leachline may have contributed to the presence of solvents in the groundwater.

6. Tracor and CCCSD are hereinafter referred to as dischargers.

7. Section 13304 of the California Water Code states that "any person who has discharged or discharges waste into the waters of this state in violation of any waste discharge requirement or other order or prohibition issued by a regional board or the state board, or who has caused or permitted, causes or permits, or threatens to cause or permit any waste to be discharged or deposited where it is, or probably will be, discharged into the waters of the state and creates, or threatens to create, a condition of pollution or nuisance, shall upon order of the regional board clean up such waste or abate the effects thereof or, in the case of threatened pollution or nuisance, take other necessary remedial action..."

8. This Order is to enforce the laws and regulations administered by the Regional Board. This action is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15321 of the Resources Agency Guidelines.

IT IS HEREBY ORDERED, pursuant to Section 13304 of the California Water Code, that the dischargers shall cleanup and abate the effects described in the above findings as follows:

1. MONTHLY REPORTS

Monthly technical reports shall be submitted, beginning on November 1, 1990, and monthly thereafter, documenting recent work completed. Each quarter (January, April, July, and October reports) this report shall include water level and chemical concentration data collected as a part of the quarterly sampling, scheduled to begin in November 1990, from the following places in the Bollinger Canyon Leachline area: thirteen (13) groundwater monitoring wells, and three locations on Bollinger Creek along the reach of the creek between manholes MH-8 and MH-13. In addition, water levels will be measured in manholes MH-6 through MH-13.

2. FIELD INVESTIGATION REPORT

Compliance Date: March 8, 1991

The dischargers shall submit a technical report acceptable to the Executive Officer which defines the lateral and vertical extent of industrial chemicals (including petroleum hydrocarbons) in groundwater, soil, and surface water in the vicinity of the leachline which is located in Bollinger Canyon. This report shall present the results of the field investigation as defined by the Woodward-Clyde Consultants' August 1990 Work Plan for a "Bollinger Canyon Leachline Evaluation: Field Investigation and Remedial Alternatives Study", (as revised by a Woodward-Clyde letter dated October 8, 1990). Items of information to be presented in the Field Investigation report include the following:

- a. A hydrologic description of Bollinger Canyon in the vicinity of the leachline area from manholes MH-6 through MH-13. The flow area from the leachfield should be described, and, to the extent feasible based on the data developed in the tasks of the Work Plan, the relationship between surface waters in Bollinger Creek and groundwater shall be described, e.g., when is Bollinger Creek a gaining, and a losing stream;

- b. A detailed characterization of the subsurface hydrogeologic conditions in the vicinity of the leachline shall be provided. This characterization shall include detailed geologic cross sections depicting subsurface geologic information and corresponding correlations based on boring data. Cross sections shall include actual lithologic logs, water levels and corresponding date, filter pack and screened intervals, the leachline, and fill around the leachline. Potential preferential pathways for pollutant transport shall be discussed;
- c. A topographic map(s) in plan view (scale 1" = 235') depicting all monitoring well locations, Bollinger Creek, the leachline, private wells and springs near the leachline, manholes, connections to the leachline, septic tanks draining to the leachline, and other known potential sources of pollution;
- d. Quarterly water level results from all monitoring wells, Bollinger Creek, and manholes in the leach field;
- e. Tabulated chemical results from groundwater, soil, and surface water samples collected during field investigations. Laboratory sheets will also be included;
- f. A description of the vertical and lateral extent of chemicals detected in groundwater, soil, and surface water;
- g. Results of the quality assurance/quality control (QA/QC) program, including equipment rinsate blanks, trip blanks, and field duplicates;
- h. To the extent that implementation of the Work Plan does not provide for characterization of the extent of industrial chemicals in soil, ground, and surface water, the Field Investigation Report shall include a proposal for additional investigations to define the lateral and vertical extent of industrial chemicals; and,
- i. Proposed hydraulic testing (to be reviewed by Board staff for concurrence prior to implementation).

3. REMEDIAL ALTERNATIVES REPORT


Compliance Date: May 10, 1991

The dischargers shall submit a Remedial Alternatives report acceptable to the Executive Officer which evaluates alternative remedial strategies for groundwater (and soil and surface water as necessary) based on technical feasibility, implementability, cleanup time, public acceptance, and cost. If groundwater extraction is recommended, the following shall be included with the technical report:

- a. Proposed extraction well or trench construction and location including proposed depths;
- b. Data resulting from hydraulic testing if performed as a result of paragraph 2 (i) above;
- c. Proposed analysis to simulate capture area and proposed piezometer locations to verify capture area;

- d. Proposed method of disposing of extracted groundwater;
- f. Proposed treatability studies; and,
- g. Proposed implementation schedule.

Pursuant to California Water Code Sections 13304, 13267, and 13350 if the discharger fails to comply with provisions of this Order, the Executive Officer may request the Attorney General to take the appropriate enforcement action including injunctive relief, or the Board may schedule a hearing to consider assessing civil monetary penalties and to consider requesting the Attorney General to take the appropriate action against the discharger, including injunctive and civil monetary remedies.



Steven R. Ritchie
Executive Officer

Date Issued: October 19, 1990